

Amendments to Claims:

This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently Amended) A portable terminal communicably coupled to an~~connectable~~
~~to various external accessory, the external accessory being one of a plurality of external accessories,~~
each of the plurality of external accessories being a different type and having differing
functions~~accessories~~, comprising:

an earjack comprising a plurality of communicable contacts for communicably coupling the
external accessory via one or more of the plurality contacts, wherein a number of contacts used and
a usage of each contact varies depending on the type of the communicably coupled external
accessory~~in which the external accessories can be coupled;~~

an analog-to-digital conversion (ADC) section for converting a resistance value of the
communicably coupled external accessory~~an external accessory coupled to the earjack~~ into an ADC
value;

a memory for storing ADC reference values of the plurality of~~the~~ external accessories; and

a controller for controlling the ADC section to convert the~~converting a~~ resistance value of
the communicably coupled external accessory~~coupled to the earjack~~ into an ADC value by
~~controlling the ADC section, determining the~~ type of the communicably coupled~~an~~ external
accessory ~~coupled to the earjack~~ by comparing the converted ADC value with the ADC reference
values stored in the memory, controlling the number and usage of the plurality of contacts to
correspond to the communicably coupled external accessory, and performing a function of
communicably coupled~~the plugged-in~~ external accessory ~~via a corresponding pin of the earjack.~~

2. (Currently Amended) The portable terminal of claim 1, wherein the communicable
contacts of the earjack comprises:

a ground pin;

a microphone pin;

a speaker pin;

an interrupt pin for detecting an communicably coupled external accessory ~~coupled to the earjack~~;

an ADC pin for detecting a resistance value of the communicably coupled external accessory ~~coupled to the earjack~~;

a received data pin for receiving data;

a transmit data pin for transmitting data;

a serial clock pin;

a serial data pin for performing data communication in association with the serial clock pin;

and

a trigger pin for detecting a flash ~~coupled to the earjack~~ being communicably coupled.

3. (Currently Amended) The portable terminal of claim 1, further comprising:

a power supply for powering the communicably coupled external accessory ~~coupled to the earjack~~; and

a regulator for providing a constant voltage from the power supply to an communicably coupled external accessory that requires a constant voltage.

4. (Currently Amended) A method for controlling a portable terminal communicably coupled to an connectable to various external accessory, the external accessory being one of a plurality of external accessories, each of the plurality of external accessories being a different type and having differing functions ~~accessories~~, wherein the portable terminal is communicably coupled to the external accessory via one or more of a plurality communicable contacts comprised by an earjack, wherein a number of contacts used and a usage of each contact varies depending on the type of the communicably coupled external accessory, comprising the steps of:

(a) detecting a resistance value of an the communicably coupled external accessory ~~coupled to an earjack~~;

(b) converting the resistance value into an analog-to-digital conversion (ADC) value;

(c) determining ~~what a type of external accessory~~ communicably is coupled to the earjack based on the converted ADC value; ~~and~~

(d) controlling the number and usage of the plurality of contacts to correspond to the communicably coupled external accessory; and

(ed) performing a function of the communicably coupled external accessory via a corresponding pin of the earjack.

5. (Currently Amended) The method of claim 4, wherein the step (a) comprises the steps of:

generating an interrupt signal via an interrupt pin of the earjack when an external accessory is communicably coupled to the earjack, the interrupt pin being one of the plurality of contacts comprised by the earjack;

detecting insertion of the external accessory through the interrupt signal; and

detecting a resistance value of the communicably coupled external accessory through an ADC pin of the earjack, the ADC pin being one of the plurality of contacts comprised by the earjack.

6. (Currently Amended) The method of claim 4, wherein the step (ed) comprises the steps of:

performing an earphone function or a stereo earphone function via a ground pin, a microphone pin and a speaker pin of the earjack when the communicably coupled external accessory is an earphone or a stereo earphone, the ground, microphone and speaker pins each being one of the plurality of contacts comprised by the earjack;

performing an FM stereo earphone function or an MP3 function via the ground pin, the microphone pin, the speaker pin, a serial clock pin and a serial data pin of the earjack when the coupled external accessory is an FM stereo earphone or an MP3 player, the serial clock and serial data pins each being one of the plurality of contacts comprised by the earjack;

performing a function of an external flash via the ground pin and a trigger pin of the earjack when the coupled external accessory is an external flash, the trigger pin being one of the plurality of contacts comprised by the earjack; and

performing a function of an external camera, an external camera with a flash or a Bluetooth module via the ground pin, a received data pin and a transmit

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data pin when the plugged-in external accessory is the external camera, the external camera with a flash or the Bluetooth module, the received data and transmit data pins each being one of the plurality of contacts comprised by the earjack.